

Assay Class: Red to Blue
Data Path: C:\...00 bioanalyzer\2100 expert\data\2010-10-07\Blue_07Oct10.xad

Created: 10/7/2010 1:28:14 PM
Modified: 10/7/2010 1:59:32 PM

Flow Cytometry Run Summary

Assay: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\cells\Red_to_Blue Series II.xsy

Assay Type: Cellular Version: 2.1

Assay Class: Red to Blue

Comments Red to Blue
This assay is for applications that apply a red
reference dye and analyze blue fluorescent
cells within a red population

Acquisition Mode: Default Samples Run: 6

User Name:

Company

Instrument: Instrument Name: DE72905360 Firmware: C.01.069
Serial #: DE72905360 Type: G2938C

Chip Comments:

Sample Name	Sample Comment	Blue Staining	Red Staining	Status	Total Events	% of Gated	Observation
Mock				✓	856	0.5	
delta5				✓	349	0	
delta3 cut				✓	824	0.1	
delta5 / delta3 cut				✓	790	0.3	
delta5 / delta3 uncut				✓	861	0.2	
EGFP				✓	948	0.1	

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Flow Cytometry Assay Details

Data Acquisition Parameters

Number of Available Sample Wells (Max.) : 6
Measurement Mode : Default

Graph Settings

Histogram Settings :

Blue :

Minimum : 0.01
Maximum : 10000
Scale : log

Red :

Minimum : 0.01
Maximum : 10000
Scale : log

Dot Plot Settings :

Blue :

Minimum : 0.01
Maximum : 10000

Red :

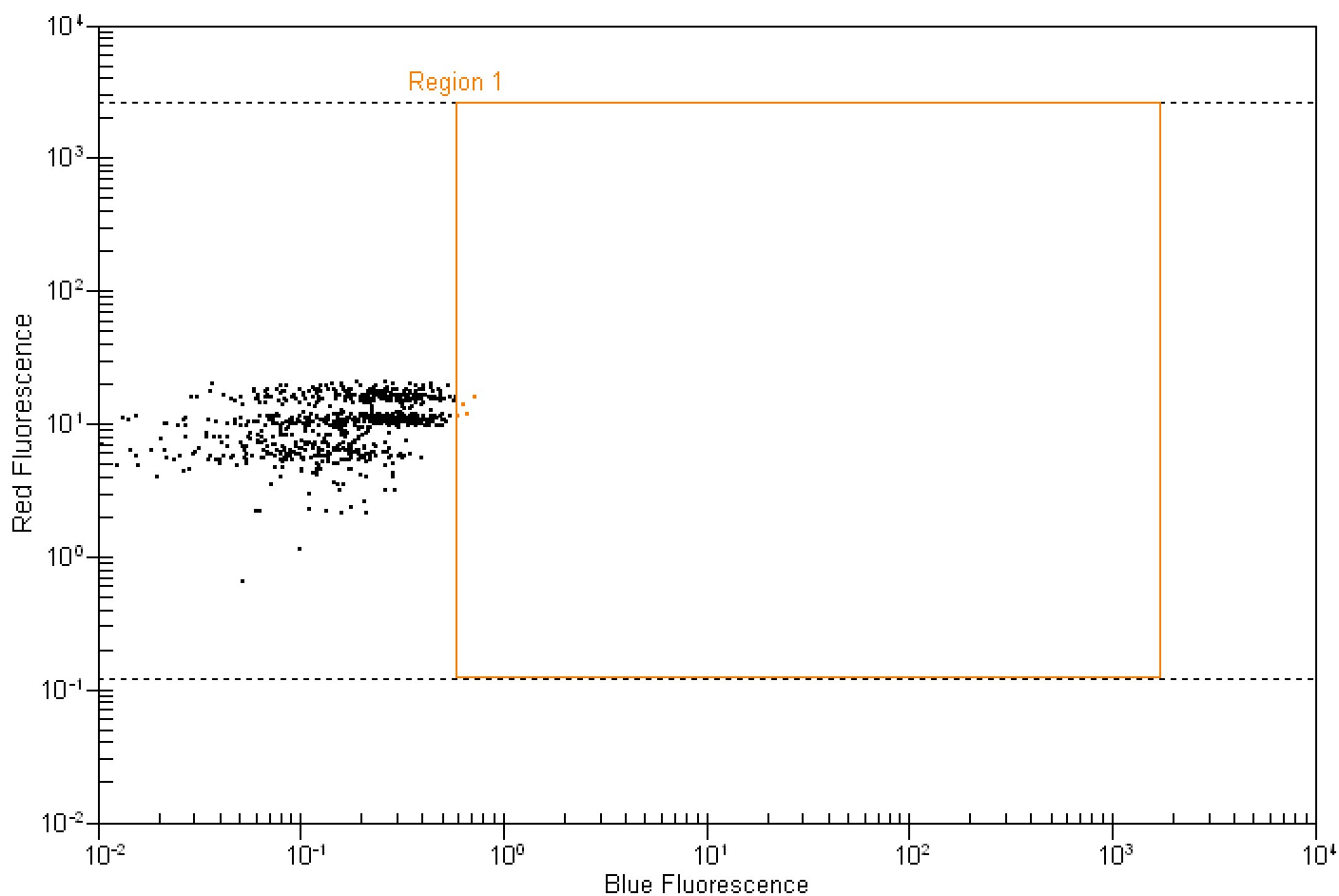
Minimum : 0.01
Maximum : 10000

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Dot Plot Summary

Mock



Dot plot statistics for sample 1 :

Mock

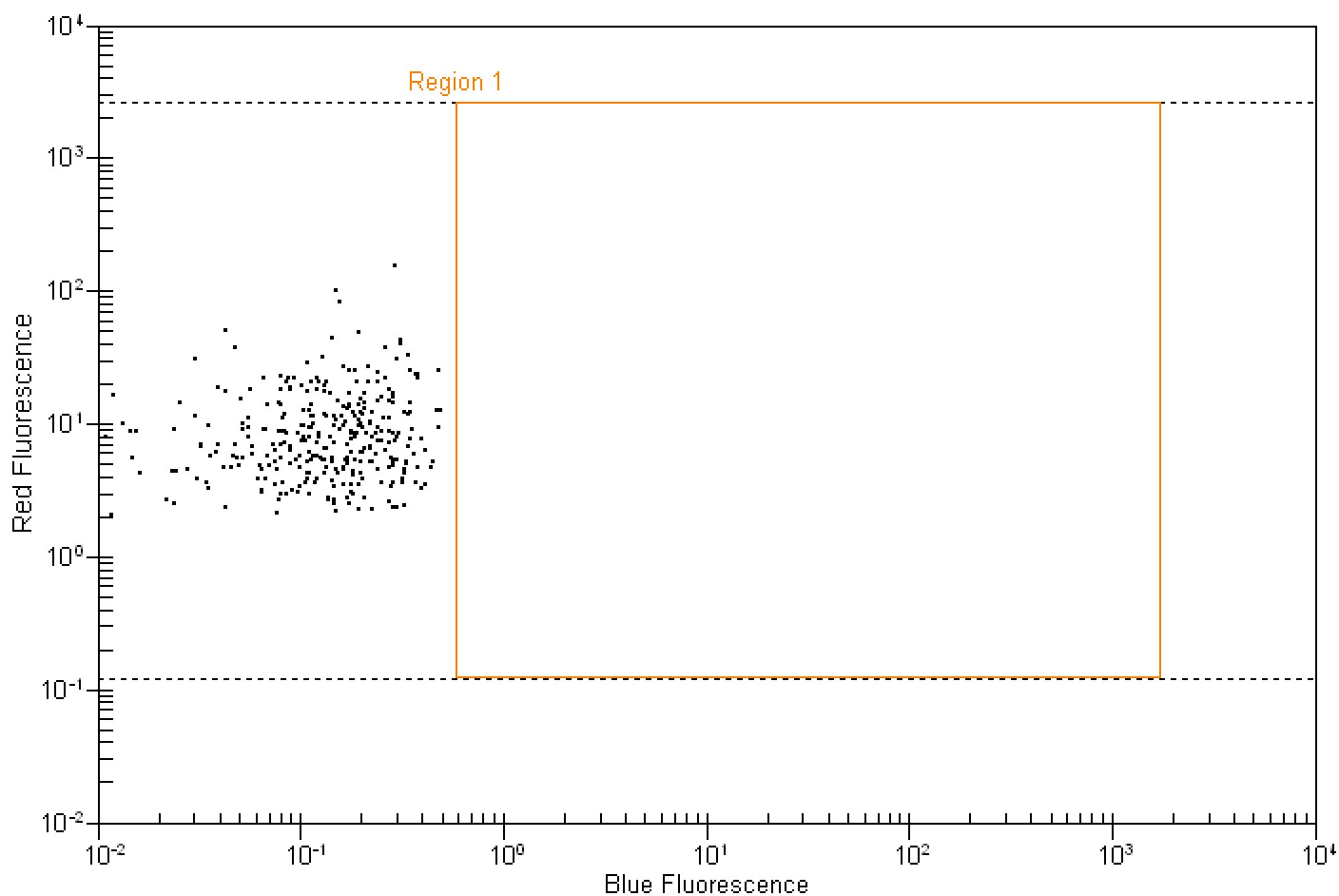
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.20	10.75	856	100.00	N/A	0.13	4.22	65.15	39.27	0.15	9.84
Region 1	0.66	13.22	4	0.50	0.50	0.05	1.79	7.29	13.57	0.65	13.10

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Dot Plot Summary Continued ...

delta5



Dot plot statistics for sample 2 :

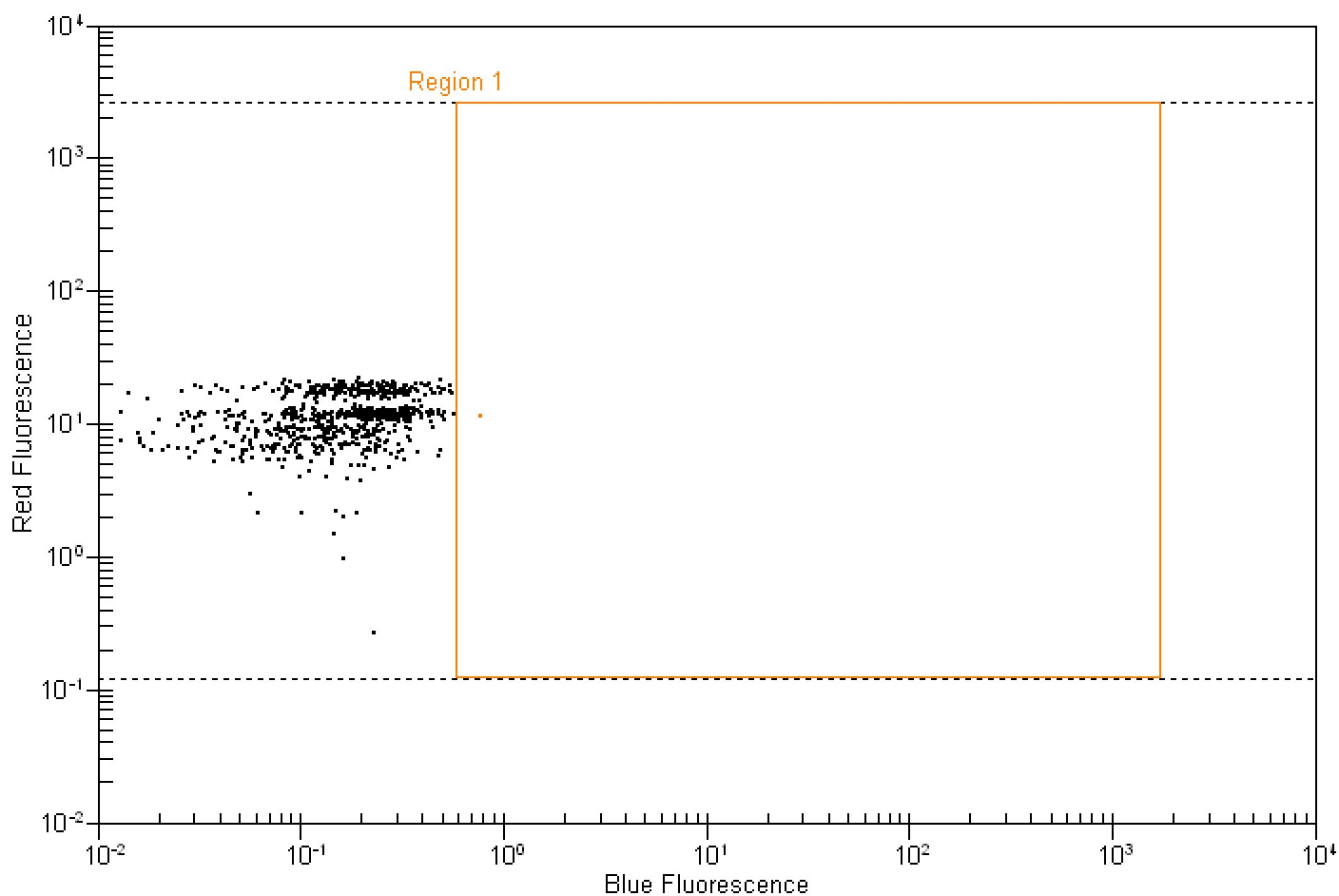
<u>delta5</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.15	10.95	349	100.00	N/A	0.11	12.83	71.80	117.15	0.10	8.00
Region 1	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Dot Plot Summary Continued ...

delta3 cut



Dot plot statistics for sample 3 :

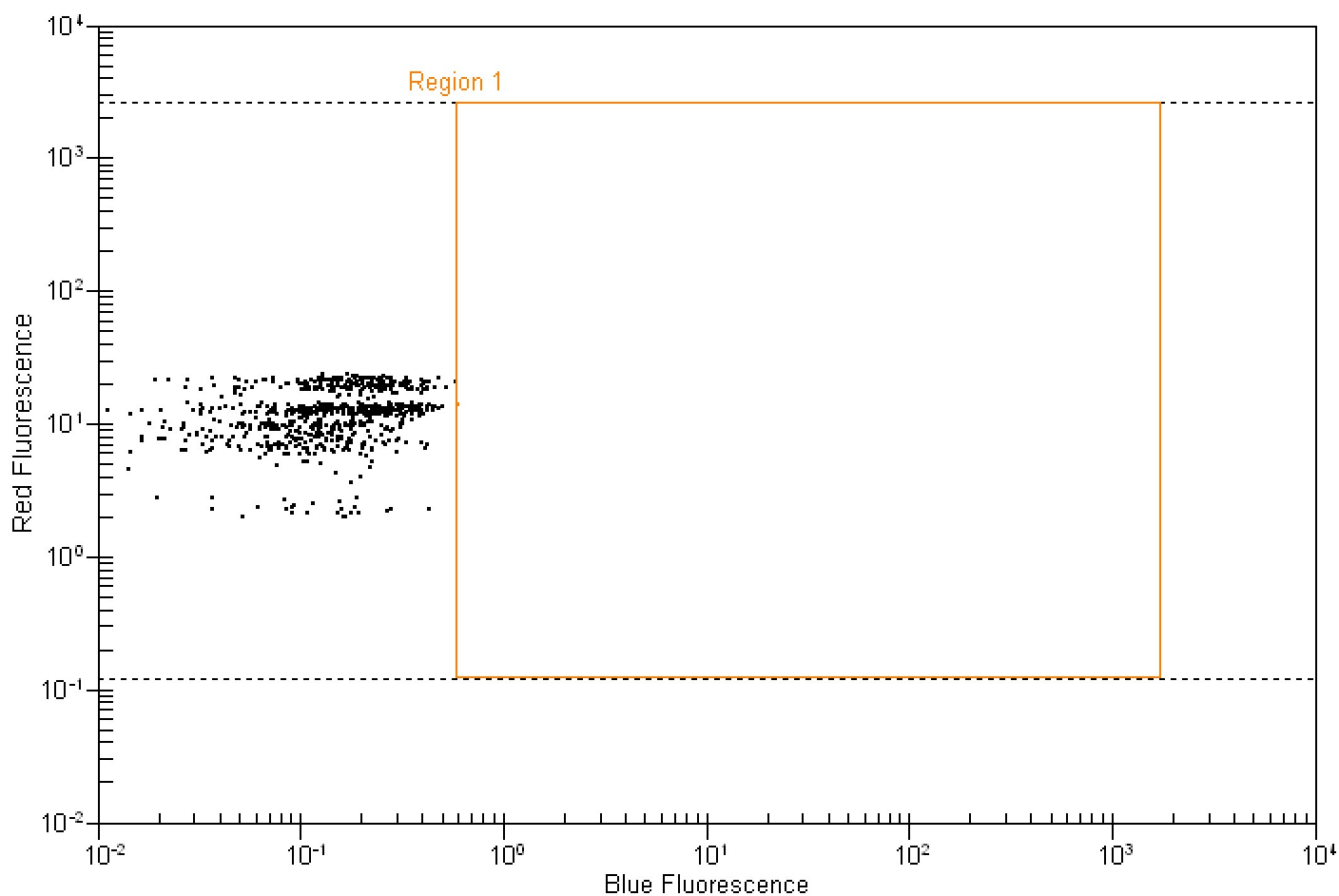
<u>delta3 cut</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.18	11.84	824	100.00	N/A	0.12	4.41	64.33	37.22	0.13	10.92
Region 1	0.78	11.35	1	0.10	0.10	0.00	0.00	0.00	0.00	0.78	11.35

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Dot Plot Summary Continued ...

delta5 / delta3 cut



Dot plot statistics for sample 4 :

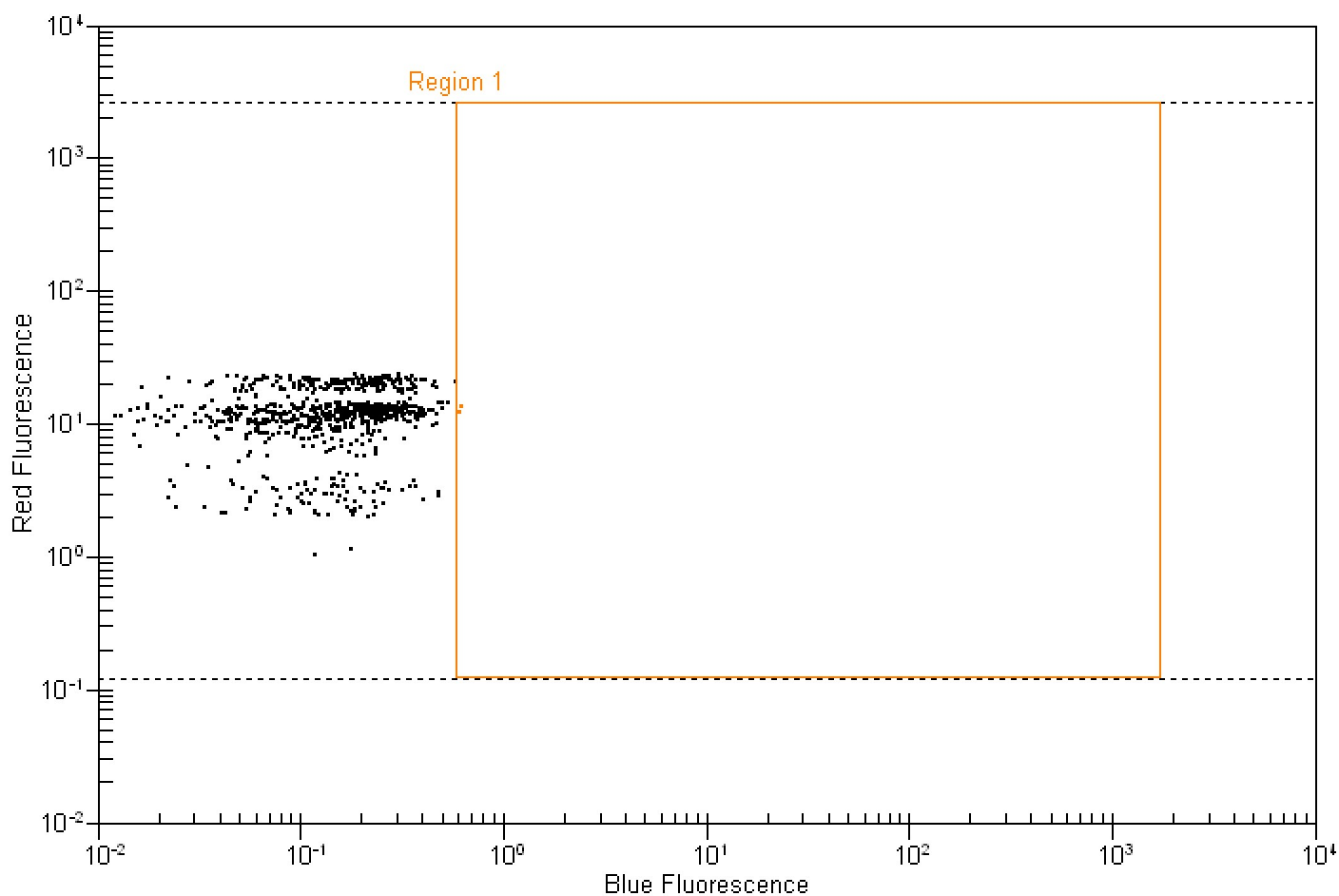
<u>delta5 / delta3 cut</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.17	12.58	790	100.00	N/A	0.11	5.03	67.23	40.02	0.12	11.41
Region 1	0.60	13.92	2	0.30	0.30	0.00	0.00	0.26	0.00	0.60	13.92

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Dot Plot Summary Continued ...

delta5 / delta3 uncut



Dot plot statistics for sample 5 :

delta5 / delta3 uncut

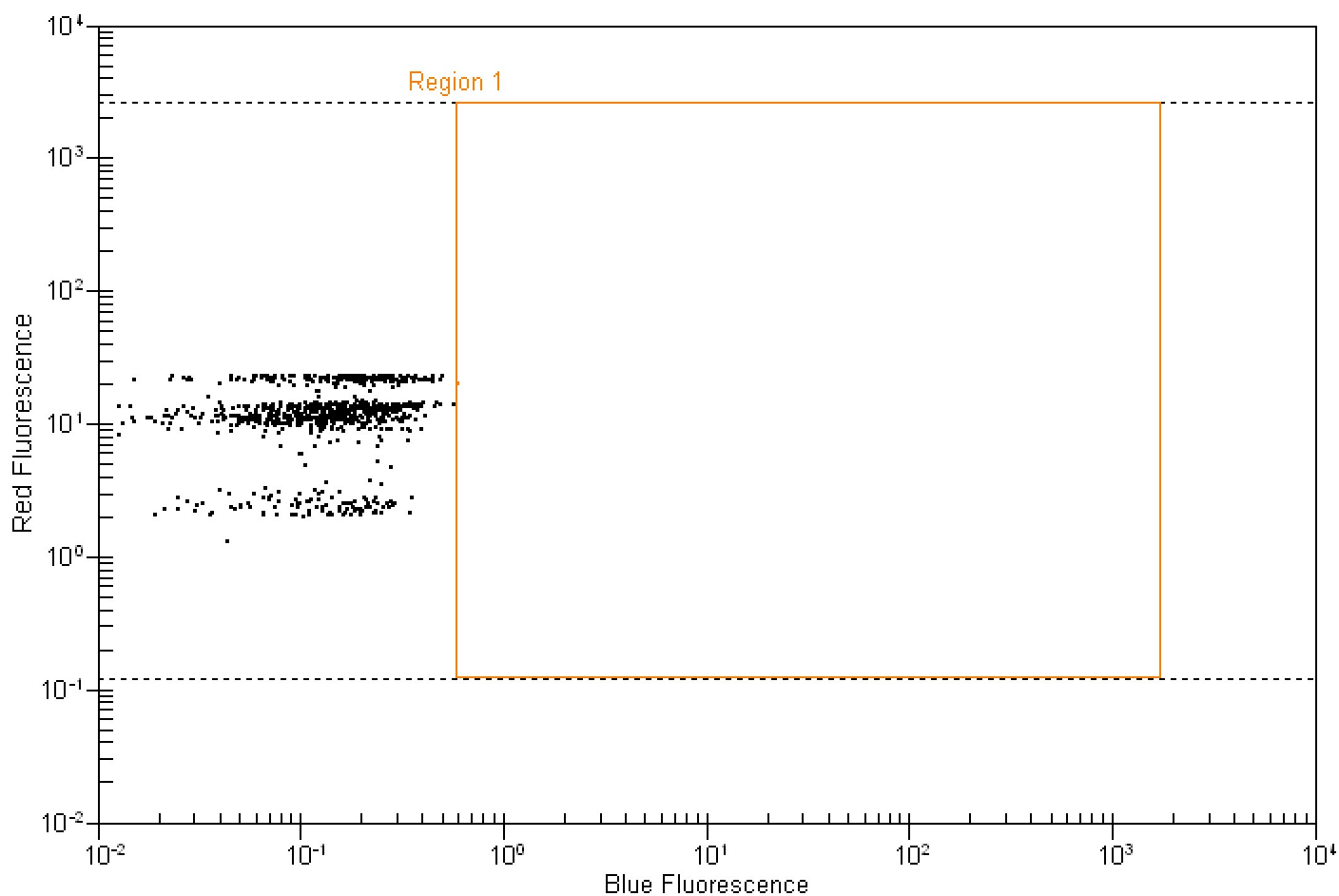
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.16	12.39	861	100.00	N/A	0.11	5.31	67.15	42.84	0.12	10.90
Region 1	0.62	12.75	2	0.20	0.20	0.01	0.59	1.23	4.63	0.62	12.73

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Dot Plot Summary Continued ...

EGFP



Dot plot statistics for sample 6 :

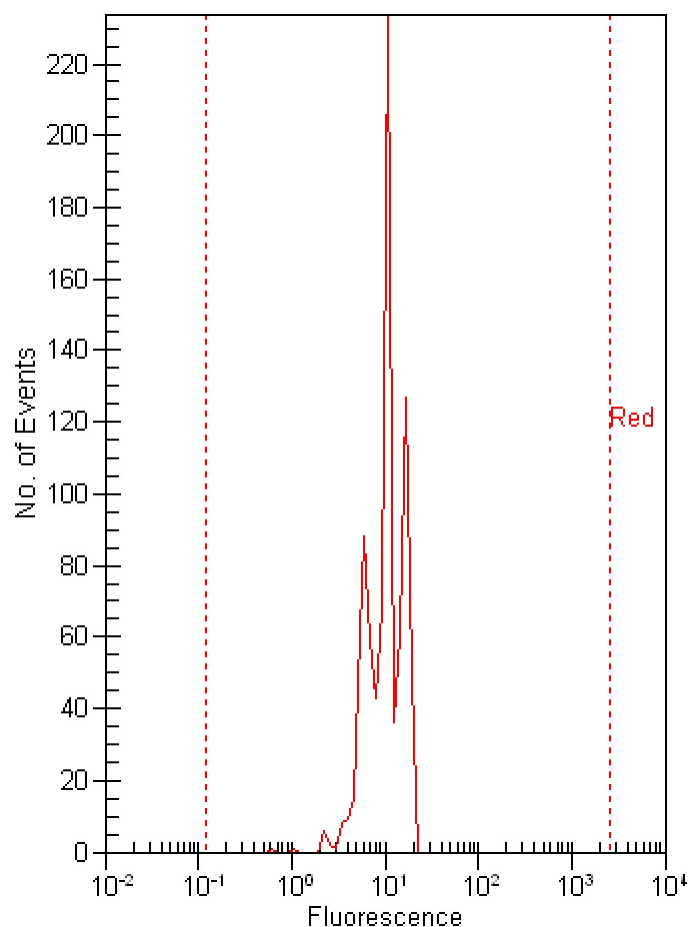
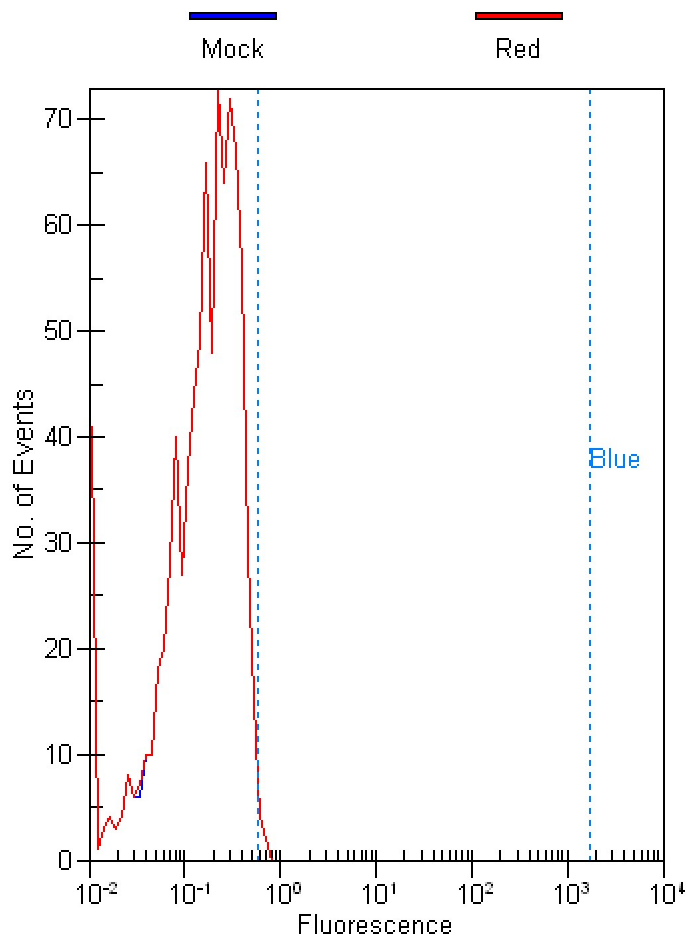
Region	XMean	YMean	#Events	EGFP		StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
				%Total	% of gated						
All Events	0.16	12.87	948	100.00	N/A	0.10	5.81	63.54	45.15	0.12	11.04
Region 1	0.60	19.69	1	0.10	0.10	0.00	0.00	0.00	0.00	0.60	19.69

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Histogram Summary

Mock



Histogram statistics for sample 1 :

Mock -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.73	856	100.00	N/A	0.20	0.13	65.15	0.15
Gated by Red	0.01	0.73	856	100.00	N/A	0.20	0.13	65.23	0.15
Blue on all events	0.59	1754.75	4	0.50	N/A	0.66	0.05	7.29	0.65
Blue on subset	0.59	1754.75	4	0.50	0.50	0.66	0.05	7.29	0.65

Histogram statistics for sample 1 :

Mock -

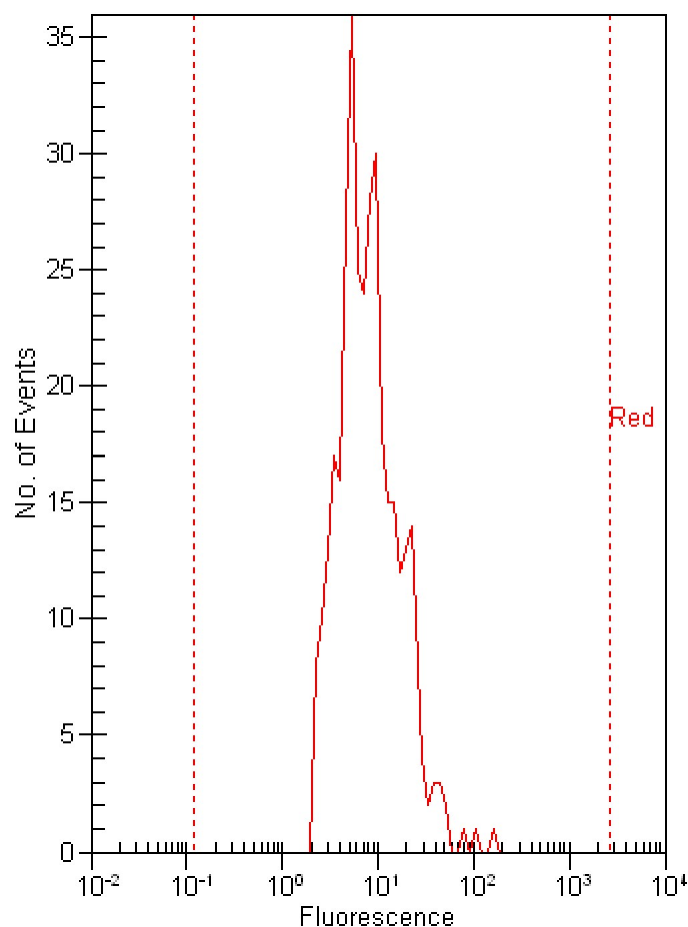
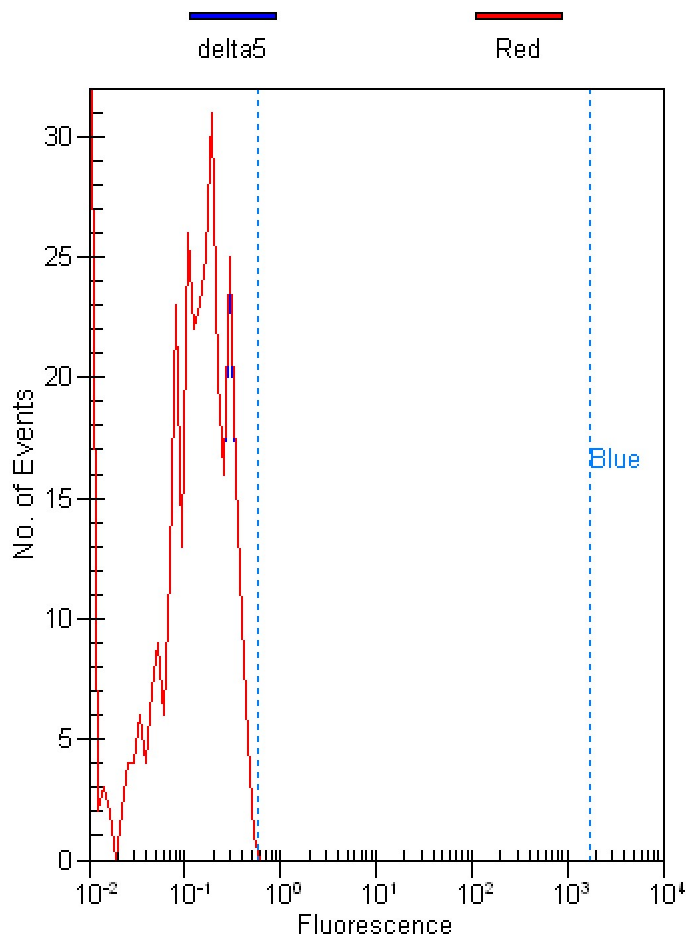
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.64	20.49	856	100.00	N/A	10.75	4.22	39.27	9.84
Red on all events	0.12	2632.02	856	100.00	N/A	10.75	4.22	39.26	9.83

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Histogram Summary Continued ...

delta5



Histogram statistics for sample 2 :

delta5 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.49	349	100.00	N/A	0.15	0.11	71.80	0.10
Gated by Red	0.01	0.49	349	100.00	N/A	0.15	0.11	71.69	0.10
Blue on all events	0.59	1754.75	0	0.00	N/A	0.00	0.00	0.00	0.00
Blue on subset	0.59	1754.75	0	0.00	0.00	0.00	0.00	0.00	0.00

Histogram statistics for sample 2 :

delta5 -

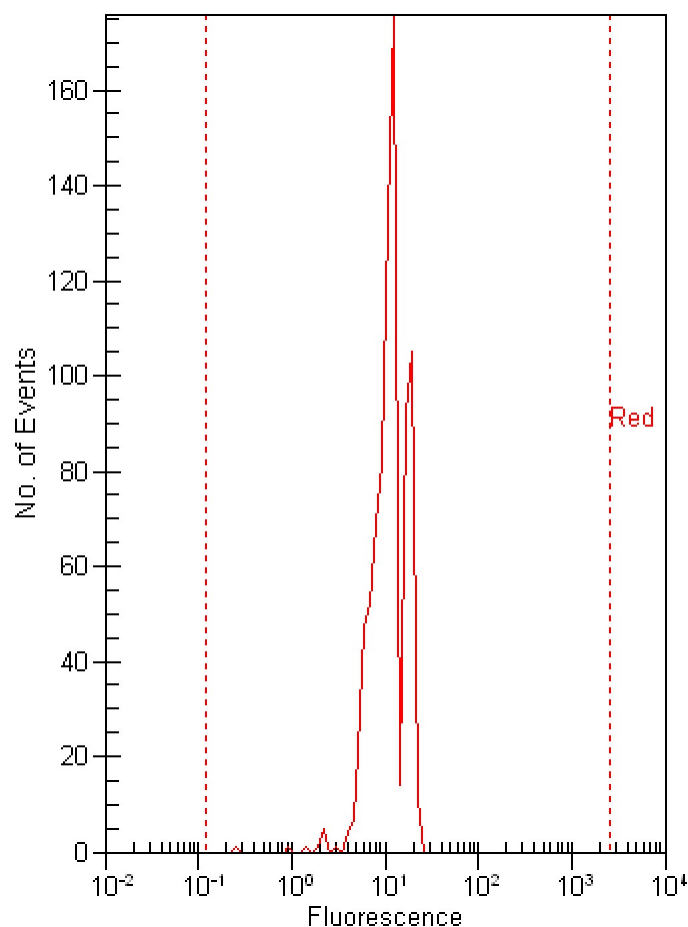
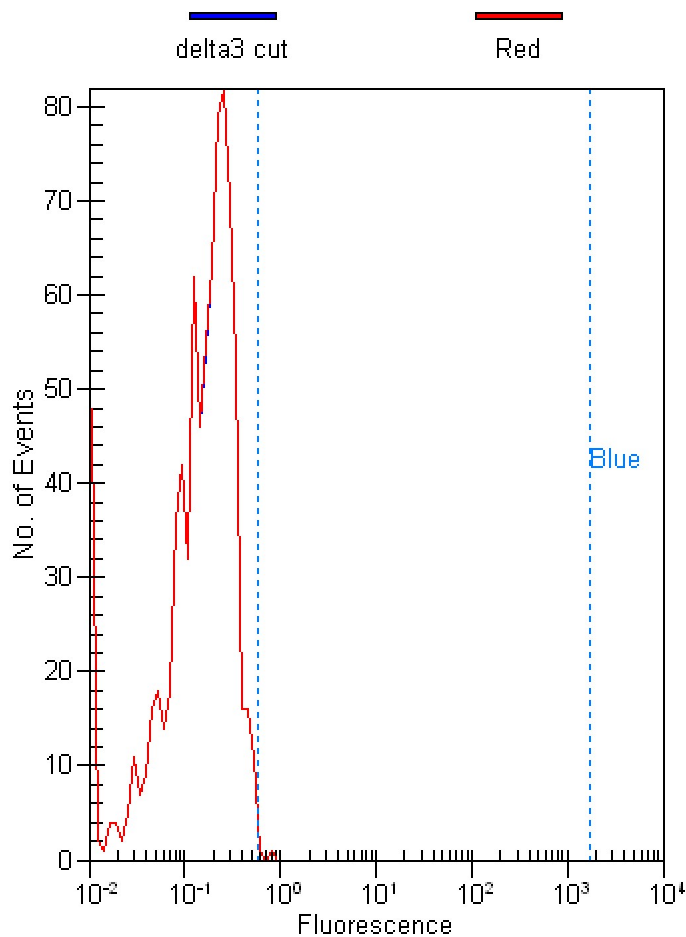
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.08	155.62	349	100.00	N/A	10.95	12.83	117.15	8.00
Red on all events	0.12	2632.02	349	100.00	N/A	10.95	12.81	117.07	8.01

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Histogram Summary Continued ...

delta3 cut



Histogram statistics for sample 3 :

delta3 cut -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.78	824	100.00	N/A	0.18	0.12	64.33	0.13
Gated by Red	0.01	0.78	824	100.00	N/A	0.18	0.12	64.30	0.13
Blue on all events	0.59	1754.75	1	0.10	N/A	0.78	0.00	0.00	0.78
Blue on subset	0.59	1754.75	1	0.10	0.10	0.78	0.00	0.00	0.78

Histogram statistics for sample 3 :

delta3 cut -

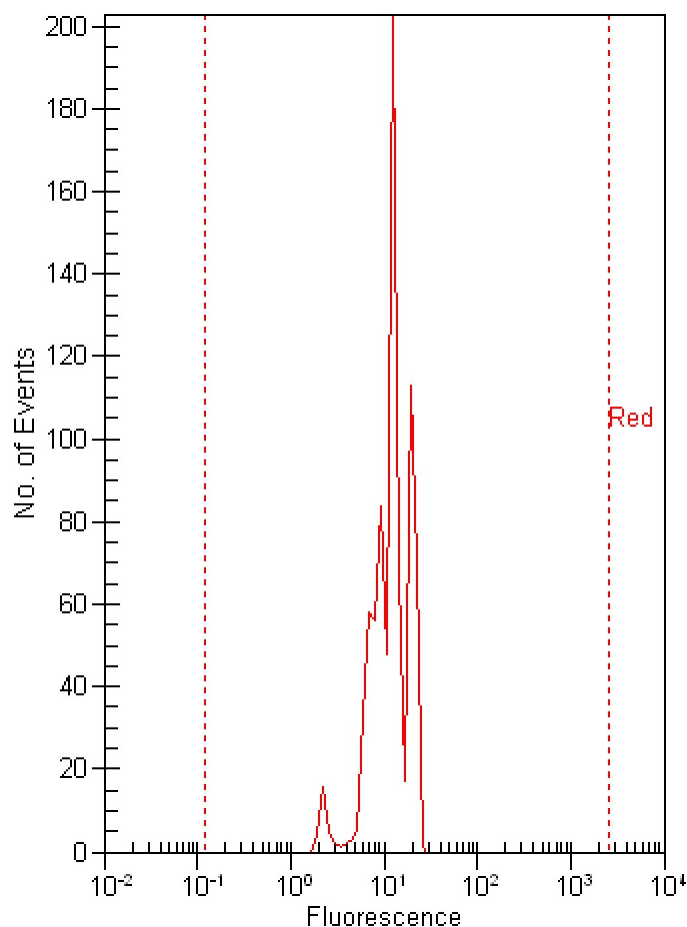
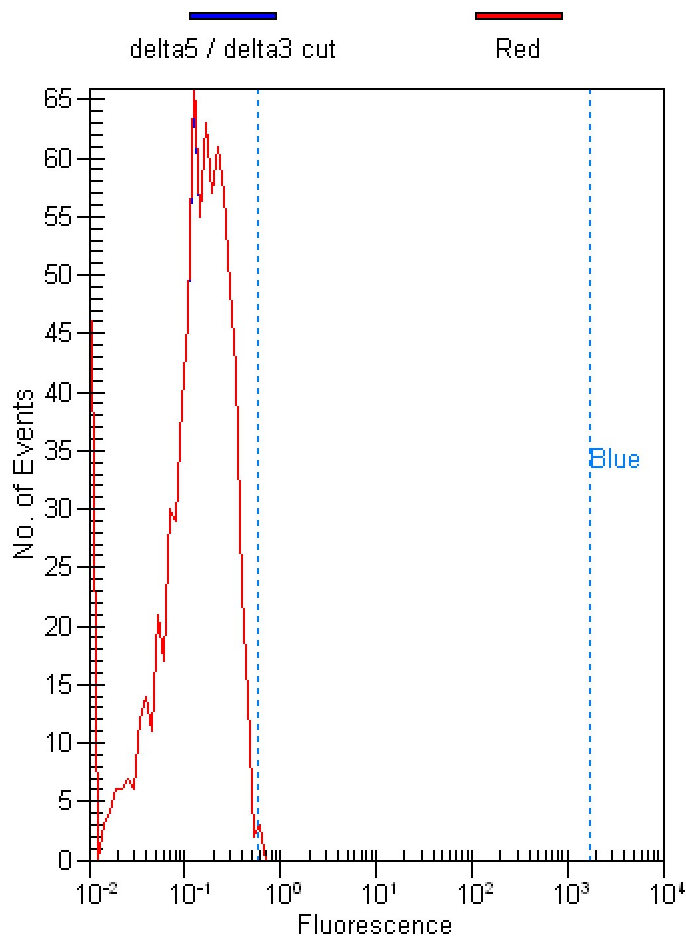
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.27	21.84	824	100.00	N/A	11.84	4.41	37.22	10.92
Red on all events	0.12	2632.02	824	100.00	N/A	11.84	4.40	37.20	10.92

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Histogram Summary Continued ...

delta5 / delta3 cut



Histogram statistics for sample 4 :

delta5 / delta3 cut -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.60	790	100.00	N/A	0.17	0.11	67.23	0.12
Gated by Red	0.01	0.60	790	100.00	N/A	0.17	0.11	67.21	0.12
Blue on all events	0.59	1754.75	2	0.30	N/A	0.60	0.00	0.26	0.60
Blue on subset	0.59	1754.75	2	0.30	0.30	0.60	0.00	0.26	0.60

Histogram statistics for sample 4 :

delta5 / delta3 cut -

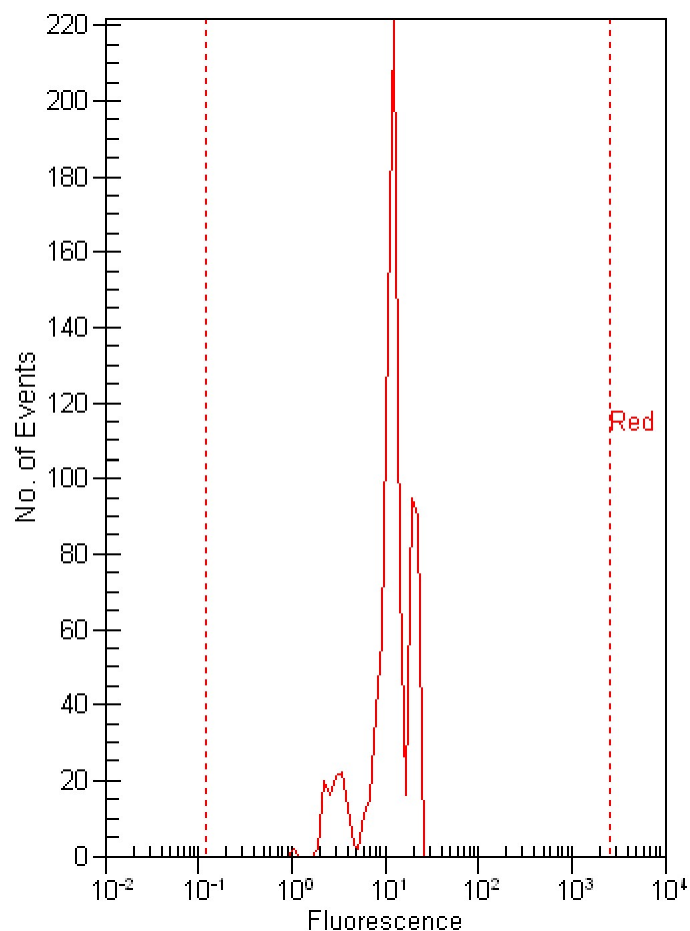
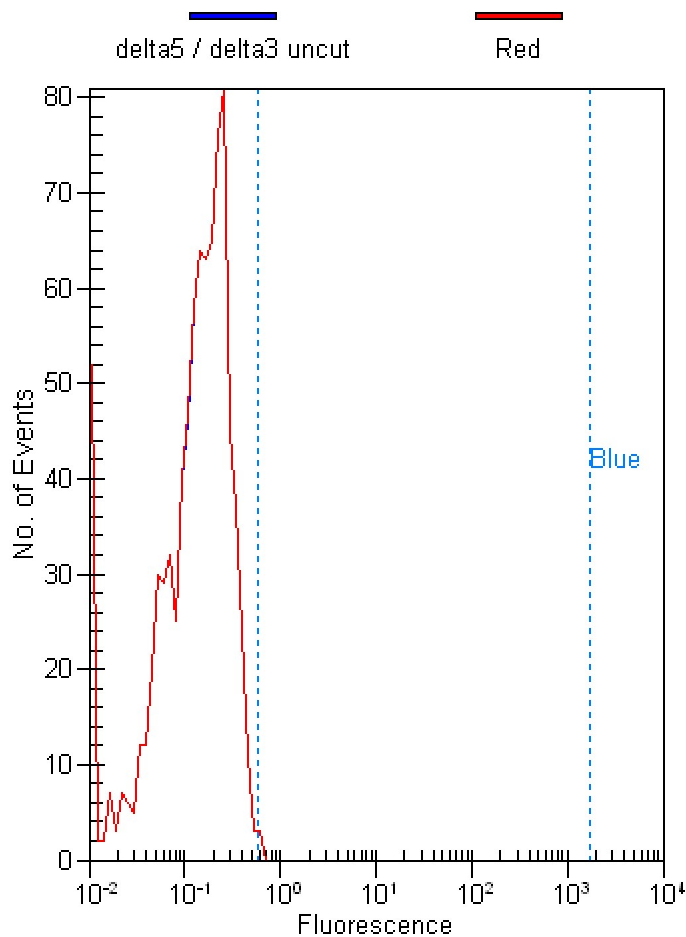
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.00	23.89	790	100.00	N/A	12.58	5.03	40.02	11.41
Red on all events	0.12	2632.02	790	100.00	N/A	12.58	5.03	40.00	11.41

Assay Class: Red to Blue
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Histogram Summary Continued ...

delta5 / delta3 uncut



Histogram statistics for sample 5 :

delta5 / delta3 uncut -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.62	861	100.00	N/A	0.16	0.11	67.15	0.12
Gated by Red	0.01	0.62	861	100.00	N/A	0.16	0.11	67.15	0.12
Blue on all events	0.59	1754.75	2	0.20	N/A	0.62	0.01	1.23	0.62
Blue on subset	0.59	1754.75	2	0.20	0.20	0.62	0.01	1.23	0.62

Histogram statistics for sample 5 :

delta5 / delta3 uncut -

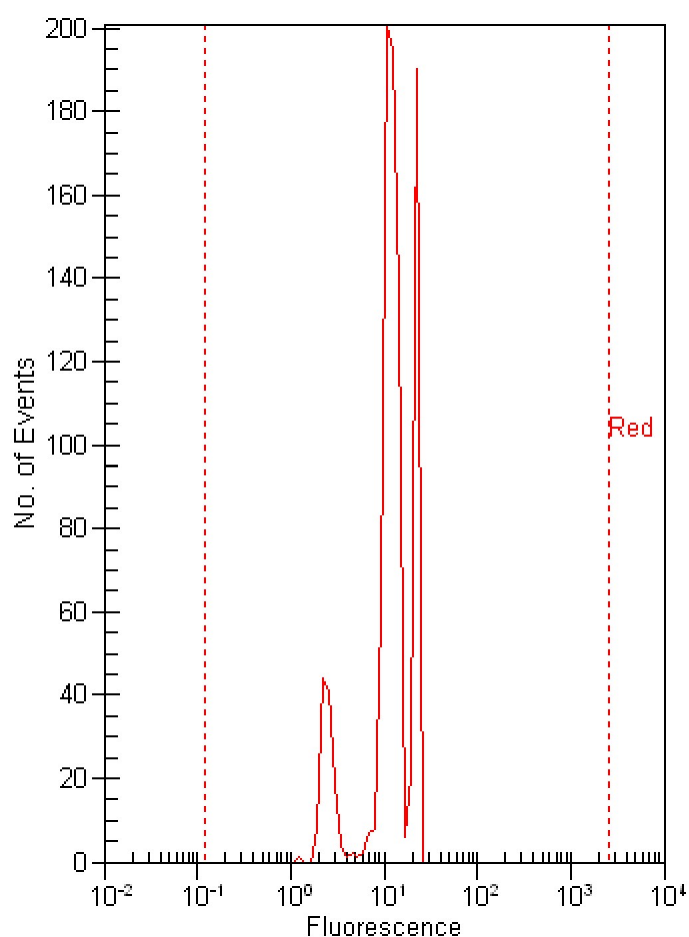
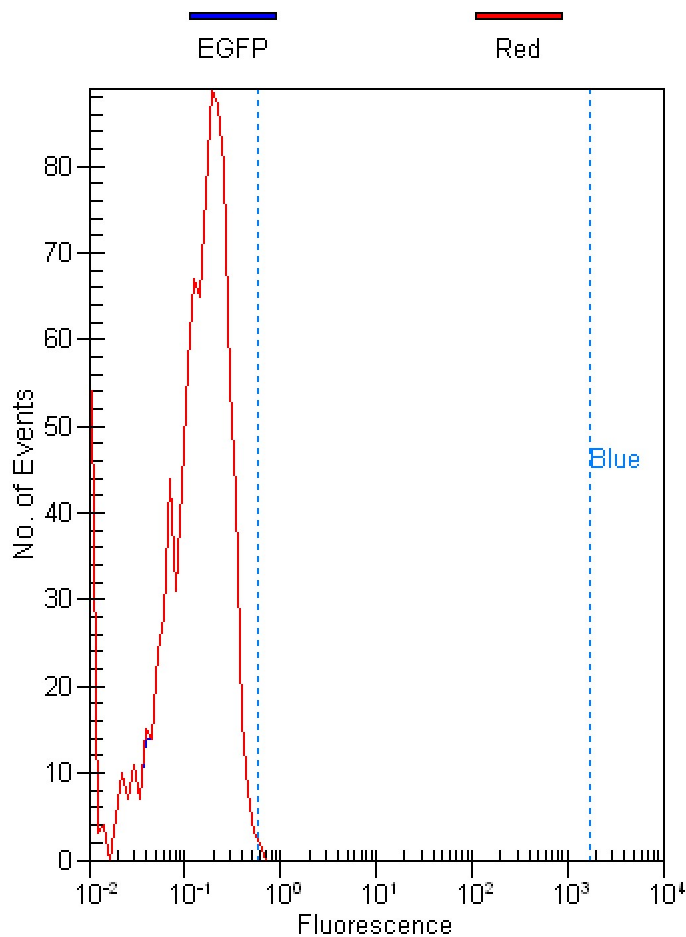
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.02	23.37	861	100.00	N/A	12.39	5.31	42.84	10.90
Red on all events	0.12	2632.02	861	100.00	N/A	12.39	5.31	42.81	10.90

Assay Class: Red to Blue
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Histogram Summary Continued ...

EGFP



Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.60	948	100.00	N/A	0.16	0.10	63.54	0.12
Gated by Red	0.01	0.60	948	100.00	N/A	0.16	0.10	63.60	0.12
Blue on all events	0.59	1754.75	1	0.10	N/A	0.60	0.00	0.00	0.60
Blue on subset	0.59	1754.75	1	0.10	0.10	0.60	0.00	0.00	0.60

Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.31	23.16	948	100.00	N/A	12.87	5.81	45.15	11.04
Red on all events	0.12	2632.02	948	100.00	N/A	12.87	5.81	45.13	11.04

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Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		10/7/2010 1:54:40 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2010-10-07\2100 expert_Red to Blue_DE72905360_2010-10-07_13-28-14.xad)		Instrument	Run		10/7/2010 1:28:20 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Product Number : G2938C		Instrument	Run		10/7/2010 1:28:20 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		10/7/2010 1:28:20 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		10/7/2010 1:28:20 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Serial# : DE72905360		Instrument	Run		10/7/2010 1:28:20 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		10/7/2010 1:28:20 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Cartridge : Pressure		Instrument	Run		10/7/2010 1:28:20 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01